

228-401

11-06-2009

1/15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Matthew Granahan
Registration Manager
Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

NOV 6 2009

Subject: Label Notification(s) for Pesticide Registration Notice 2008-1, 2007-1, 2007-4,
and 98-10

1. Added marketing claims

Dear Mr. Granahan:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 2008-1, 2007-1, 2007-4, and 98-10 dated September 16, 2009 for:

EPA Registration 228-401

Sweet Sixteen Weed and Feed with Viper

The Registration Division (RD) has conducted a review of the request(s) for applicability under 2008-1, 2007-1, 2007-4, and 98-10 and finds that the label changes requested fall within the scope of 2008-1, 2007-1, 2007-4, and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identify the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

2
15



Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
--	---	--	-----------------------

Application for Pesticide - Section I

1. Company/Product Number 228-401	2. EPA Product Manager Miller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Sweet Sixteen Weed and Feed with Viper	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
--	---

NOTIFICATION

NOV - 6 2009

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of label change relative to PR Notice 2008-1, PR Notice 2007-01, PR Notice 2007-04 and PR Notice 1998-10. This notification is consistent with the guidance in PR Notice 2008-1, PR Notice 2007-01, PR Notice 2007-04 and PR Notice 1998-10 and the requirements of EPA's regulations at 40 CFR 156.10, 40 CFR 156.140, 40 CFR 156.144, 40 CFR 156.146, 40 CFR 156.156, 40 CFR 156.80 and 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the guidance of PR Notice 2008-1, PR Notice 2007-01 and PR Notice 1998-10 and the requirements of 40 CFR 156.10, 40 CFR 156.140, 40 CFR 156.144, 40 CFR 156.146, 40 CFR 156.156, 40 CFR 156.80 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt No. per container	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 16 - 50 Lb Bags	
5. Location of Label Directions <input checked="" type="checkbox"/> _____		6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled <input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Matthew Granahan matthew.granahan@us.nufarm.com	Title Registrations Manager	Telephone No. (Include Area Code) 630.455.2048
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registrations Manager	
4. Typed Name Matthew Granahan	5. Date 11/04/09	



3
15

Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527
Telephone: (630) 455.2000 Facsimile: (630) 455.2001
www.us.nufarm.com

September 25, 2009

Via Overnight Courier ✓

U. S. Environmental Protection Agency (7504P)
Document Processing Desk (NOTIF)
Room S4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

**Subject: Sweet Sixteen Weed and Feed with Viper
EPA REG. No. 228-401
Label Notification per PR Notices 08-01, 07-01, 07-04 & 98-10**

Dear Ms. Hobgood:

Nufarm Americas Inc. would like to add language to subject product's label. The proposed language is consistent with PR Notices 2008-01, 2007-01, 2007-04, and 1998-10.

To process this request please find enclosed the following:

- Application for Pesticide Registration EPA form 8570-1
- Revised labeling with areas of change clearly identified (1 copy)
- Revised labeling – clean (1 copy)

If you should have any questions regarding this matter, please feel free to contact at matthew.granahan@us.nufarm.com or at (630) 455-2048.

Sincerely,



Matthew Granahan
Registrations Manager
Nufarm Americas, Inc.

4
15

Commercial

SWEET SIXTEEN WEED AND FEED WITH VIPER™

THIS PRODUCT IS A PREMIUM GRADE HERBICIDE AND TURF FOOD COMBINATION WHICH CONTROLS A WIDE SPECTRUM OF BROADLEAF WEEDS WHILE PROVIDING BOTH FAST AND LONG FEEDING ACTION.

CONTAINS 2,4-D, MECOPROP-p AND DICAMBA

Weeds contacted by this product gradually die and disappear from the lawn.
Treats (or covers) 5,000 Square Feet (50' x 100')

NOTIFICATION

NOV - 6 2009

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid*	1.346%
2,4-Dichlorophenoxyacetic Acid*	0.182%
(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡	0.359%
Dicamba (3,6-Dichloro-o-Anisic Acid)***	0.090%

OTHER INGREDIENTS:	<u>98.023%</u>
TOTAL:	100.000%

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	1.076%
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	0.359%
***3,6-Dichloro-o-anisic Acid	0.090%

‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

GUARANTEED ANALYSIS:

Total Nitrogen (N)	X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphate (P2O5)	X%
Soluble Potash (K2O)	X%
Primary Plant Foods derived from (List sources)	
Chlorine (Cl) Maximum	X%

The urea nitrogen in this product has been coated to provide X% coated slow release urea nitrogen.
Fertilizer guaranteed by (Name of fertilizer registrant)

KEEP OUT OF REACH OF CHILDREN

CAUTION - PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

SEE BACK PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-401
EPA EST. NO. 228-IL-1

MANUFACTURED FOR
NUFARM AMERICAS INC.
150 HARVESTER DRIVE
BURR RIDGE, IL 60527



5
15

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION - PRECAUCION**

Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTION EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All loaders, applicators, and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes plus socks, and
- chemical-resistant gloves

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This pesticide may be toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.**

Do not enter or allow people (or pets) to enter the treated area until dusts have settled. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Do not use this product on or near desirable plants, including within the dripline of the roots of desirable trees and shrubs, since injury may result.

This product is a stable mixture of four herbicides. It is for use on Ornamental Turf Lawns (Residential, Industrial and institutional), Parks, Cemeteries, Athletic Fields and Golf Courses (Fairways, Aprons, Tees and Roughs) and similar turf areas.

Not for use on turf grown for sale or other commercial use as sod, or commercial seed production, or for research purposes.

This product may be used on Bahia, common Bermuda, Blue Grass, Centipede, Fescue, Rye, St. Augustine, and Zoysia grass. **DO NOT USE** on Dichondra and Carpet grass. **DO NOT USE** this product where desirable clovers are present or allow the product to "wind drift" onto flowers, vegetables, ornamentals, shrubs, trees or other desirable plants.

This product is designed to promote lush green growth in lawns and control many broadleaf weeds such as:

- | | | | |
|----------------------------|-----------------------|------------------------|----------------------------|
| Alder | Dogbane | Narrowleaf vetch | Spotted spurge |
| Annual yellow sweet clover | Dogfennel | Nettle | Spurge |
| Artichoke | Elderberry | Nutgrass | Spurweed |
| Aster | English daisy | Orange hawkweed | Stinging nettle |
| Austrian fieldcress | Fall dandelion | Oxalis | Stinkweed |
| Bedstraw | False dandelion | Oxeye daisy | Stitchwort |
| Beggartick | False flax | Parsley-piert | Strawberry clover |
| Biden | False sunflower | Parsnip | Sumac |
| Bindweed | Fiddleneck | Pearlwort | Sunflower |
| Bird vetch | Field bindweed | Pennycress | Sweet clover |
| Bitterweed | Field pansy | Pennywort | Tall nettle |
| Bitter wintercress | Flea bane | Peppergrass | Tall vervain |
| Black-eyed Susan | (daisy) | Pepperweed | Tansy mustard |
| Black medic | Flixweed | Pigweed | Tansy ragwort |
| Black mustard | Florida betony | Pineywoods bedstraw | Tanweed |
| Blackseed plantain | Florida pusley | Plains coreopsis | Tarweed |
| Blessed thistle | Frenchweed | Plantain | Thistle |
| Blue lettuce | Galinsoga | Poison hemlock | Tick trefoil |
| Blue vervain | Garlic mustard | Poison ivy | Toadflax |
| Box elder | Goathead | Poison oak | Trailing Crownvetch |
| Bracted plantain | Goatsbeard | Pokeweed | Tumble mustard |
| Brassbuttons | Goldenrod | Poorjoe | Tumble pigweed |
| Bristly ox tongue | Ground ivy | Povertyweed | Tumbleweed |
| Broadleaf dock | Gumweed | Prickly lettuce | Velvet leaf |
| Broadleaf plantain | Hairy bittercress | Prickly sida | Venice mallow |
| Broomweed | Hairy fleabane | Primrose | Veronica |
| Buckhorn | Hawkweed | Prostrate knotweed | Vervain |
| Buckhorn plantain | Healall | Prostrate pigweed | Vetch |
| Bulbous buttercup | Heartleaf drymary | Prostrate spurge | Virginia buttonweed |
| Bull nettle | Hedge bindweed | Prostrate vervain | Virginia creeper |
| Bull thistle | Hedge mustard | Puncture vine | Virginia pepperweed |
| Burdock | Hemp | Purslane | Wavyleaf bullthistle |
| Burning nettle | Henbit | Ragweed | Western clematis |
| Bur ragweed | Hoary cress | Red clover | Western salsify |
| Burweed | Hoary plantain | Redroot pigweed | White clover |
| Buttercup | Hoary vervain | Red sorrel | White mustard |
| Canada thistle | Honeysuckle | Redstem filaree | Wild aster |
| Carolina geranium | Hop clover | Rough cinquefoil | Wild buckwheat |
| Carpetweed | Horsenettle | Rough fleabane | Wild carrot |
| Catchweed bedstraw | Horsetail | Roundleafed marigold | Wild four-o'clock |
| Catsear | Indiana mallow | Rush | Wild garlic |
| Catnip | Ironweed | Russian pigweed | Wild geranium |
| Chickweed | Jewelweed | Russian thistle | Wild lettuce |
| Chicory | Jimsonweed | St. Johnswort | Wild marigold |
| Cinquefoil | Kochia | Scarlet pimpernel | Wild mustard |
| Clover | Knawel | Scotch thistle | Wild onion |
| Cockle | Knotweed | Sheep sorrel | Wild parsnip |
| Cocklebur | Lambsquarter | Shepherdspurse | Wild radish |
| Coffebean | Lespedeza | Slender plantain | Wild rape |
| Coffeeweed | Locoweed | Smallf lower galinsoga | Wild strawberry |
| Common chickweed | Lupine | Smartweed | Wild sweet potato |
| Common mullein | Mallow | Smooth dock | Wild vetch |
| Common sowthistle | Marshelder | Smooth pigweed | Willow |
| Corn Chamomile | Matchweed | Sneezeweed | Witchweed |
| Creeping jenny | Mexicanweed | Southern wild rose | Wooly morningglory |
| Crimson clover | Milk vetch | Sowthistle | Woodsorrel |
| Croton | Milkweed bloodf lower | Spanishneedle | Wooly croton |
| Cudweed | Morningglory | Spatterdock | Wooly plantain |
| Curly dock | Mouseear chickweed | Speedwell | Wormseed |
| Curly indigo | Mugwort | Spiny Amaranth | Yarrow |
| Dandelion | Musk thistle | Spiny cocklebur | Yellow rocket |
| Dead nettle | Mustard | Spotted catsear | Yellowflower pepperweed |
| Dock | Narrowleaf plantain | Spotted knapweed | and other broadleaf weeds. |

2
15

Commercial

WHEN TO APPLY: Best results are obtained when weeds are growing actively in Spring or early Fall. Avoid contact with desirable shrubs, plants, vegetables, or flowers; especially when applying with a rotary (spinner) type spreader. Do not reseed for at least 3 to 4 weeks after application. Do not apply to newly seeded or sodded lawn until after 3 mowings. For optimum results (1) Avoid mowing 1 to 2 days before and after application; (2) Apply when grass is moist (after a rain, sprinkling or dew); (3) Avoid unnecessary disturbances, including watering of treated areas for 48 hours after application. Watering will wash off weed killing material; and (4) Avoid applying if rainfall is expected within 48 hours following treatment. Possible retreatment in approximately 30 days may be necessary if lawn is heavily overrun with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth. Do not exceed recommended rates because damage to turf may occur.

NOTE: When applying to Southern Grasses - under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration on Centipede and St. Augustine grasses. It is recommended that during hot, dry conditions, application rates should be reduced 50% to avoid possible dehydration or browning of grass.

HOW TO APPLY: This 16 pound bag should be used on 5,000 square feet. Apply evenly with a lawn spreader as a one pass application. A two pass application, criss-crossing the area at half the rate each time is also acceptable.

The following settings are approximate for applying contents of this package at a suggested rate of 3.2 pounds per 1,000 square feet. These settings are furnished only as a guide. Age, spreader condition, operating speed, and unevenness of terrain can cause variation in applied rates. Settings are based on an average walking speed. Reduce setting for slower speed; raise setting for higher speed. Check your spreader on 250 square feet and adjust to apply at the rate of 0.8 pounds per 250 square feet.

**SPREADER SETTINGS
ONE PASS APPLICATION**

MAKE	SETTING
Central Calibrated	5
Cyclone Broadcast	3-3/4
Jackson	5
Sears Broadcast	3
Sears	5
Scotts Calibrated	4

Sweep (do not wash) all fertilizer materials from surfaces immediately after application, because certain fertilizer ingredients can cause permanent stains. Wash out spreader after each use and allow it to dry thoroughly. Treat any exposed metal spreader areas with oil to reduce corrosion.

(The following paragraph is mandatory in Kentucky when the nitrogen analysis does not provide 1 pound nitrogen per 1,000 square feet; otherwise, this information is optional.)

A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing *(No. of lbs.) pounds of nitrogen per 1,000 square feet (optional P2O5 and K2O levels) and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.

*Based on Inert fertilizer claimed.

Limitations: The maximum rate per application is 3.2 pounds per 1,000 square feet, limited to 2 applications per year. The maximum seasonal rate is 6.4 pounds per 1,000 square feet, excluding spot treatments. Minimum of 30 days between applications.

Besides increasing property values, did you know a well-maintained lawn provides the following benefits to your home and environment:

Environmental Benefits
(Grasscycling Logo)

Grass clippings and yard waste are approximately 20% of the volume in our nation's landfills. To do your part to reduce this amount, leave grass clippings on your lawn. Increased mowing height and frequency will produce smaller grass clippings that will decompose more readily so nutrients go back into your lawn.

- ✓ A 50' x 50' lawn produces enough oxygen for a family of 4 every day
- ✓ Reduces Glare & Reduces Noise
- ✓ Traps Dust, Smoke Particles & Other Pollutants
- ✓ Purifies Water & Modifies Temperature
- ✓ Improves Soil Condition & Controls Erosion

8
15

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. Do not store near open containers of fertilizer, seed, or other pesticides. Do not stack more than two pallets high. Do not contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, clean up all spilled material. Improper disposal of excess pesticide, spray mixtures or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

For nonrefillable bags of granular or dry formulation

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

or

Solid dilutable formulations in nonrefillable plastic containers

CONTAINER DISPOSAL: Nonrefillable Containers 5 Gallons or Less: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

CONTAINER DISPOSAL: Nonrefillable containers larger than 5 Gallons. Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BYWAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV092509N)

9
15

Commercial

OPTIONAL SPREADER INSTRUCTIONS:

- (Illustration) For Drop Spreaders: First apply two strips at ends. Then apply product along the length of the lawn, overlapping very slightly and shutting off spreader when turning.
- (Illustration) For Rotary Spreaders: Apply in a circular path, starting on the outside and working toward the center, overlapping very slightly.

The following note will not be part of the actual label copy.

***NOTE:** Guaranteed (fertilizer) Analysis and Spreader Settings will vary among various commercial fertilizer manufacturers.
Chlorine declaration is

10
15

Residential

SWEET SIXTEEN WEED AND FEED WITH VIPER™

THIS PRODUCT IS A PREMIUM GRADE HERBICIDE AND TURF FOOD COMBINATION WHICH CONTROLS A WIDE SPECTRUM OF BROADLEAF WEEDS WHILE PROVIDING BOTH FAST AND LONG FEEDING ACTION.

CONTAINS 2,4-D, MECOPROP-p AND DICAMBA

Weeds contacted by this product gradually die and disappear from the lawn.
Treats (or covers) 5,000 Square Feet (50' x 100')

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid*	1.346%
2,4-Dichlorophenoxyacetic Acid*	0.182%
(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡	0.359%
Dicamba (3,6-Dichloro-o-Anisic Acid)***	0.090%
OTHER INGREDIENTS:	98.023%
TOTAL:	100.000%

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	1.076%
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	0.359%
***3,6-Dichloro-o-anisic Acid	0.090%

‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

GUARANTEED ANALYSIS:

Total Nitrogen (N)	X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphate (P2O5)	X%
Soluble Potash (K2O)	X%
Primary Plant Foods derived from (List sources).	
Chlorine (Cl) Maximum	X%

The urea nitrogen in this product has been coated to provide X% coated slow release urea nitrogen.
Fertilizer guaranteed by (Name of fertilizer registrant)

KEEP OUT OF REACH OF CHILDREN
CAUTION - PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

SEE BACK PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-401
EPA EST. NO. 228-IL-1

MANUFACTURED FOR
NUFARM AMERICAS INC.
150 HARVESTER DRIVE
BURR RIDGE, IL 60527



11
15

Residential

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION - PRECAUCION**

Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wear long pants, long-sleeved shirt, socks and shoes when applying this product. After using this product, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water.

USER SAFETY RECOMMENDATIONS
Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.**

This product is a stable mixture of four herbicides. It is for use on residential turf.

Not for use on turf grown for sale or other commercial use as sod, or commercial seed production, or for research purposes.

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. Do not allow people or pets to enter the treated area until dusts have settled.

Do not apply directly to or near water, storm drains, gutters, sewers, or drainage ditches. Do not apply within 25 feet of rivers, fish ponds, lakes, streams, reservoirs, marshes, estuaries, bays, and oceans. Do not apply when windy. Apply this product directly to your lawn or garden, and sweep any product landing on the driveway, sidewalk, gutter, or street back onto the treated area. To prevent product run-off, do not over water the treated area(s) to the point of runoff or apply when raining or when rain is expected that day.

The maximum number of broadcast applications per treatment site is 2 per year.

This product may be used on Bahia, common Bermuda, Blue Grass, Centipede, Fescue, Rye, St. Augustine, and Zoysia grass. **DO NOT USE** on Dichondra and Carpet grass. **DO NOT USE** this product where desirable clovers are present or allow the product to "wind drift" onto flowers, vegetables, ornamentals, shrubs, trees or other desirable plants.

12
15

This product is designed to promote lush green growth in lawns and to control such broadleaf weeds as:

Alder	Dogbane	Narrowleaf vetch	Spotted spurge
Annual yellow sweet clover	Dogfennel	Nettle	Spurge
Artichoke	Elderberry	Nutgrass	Spurweed
Aster	English daisy	Orange hawkweed	Stinging nettle
Austrian fieldcress	Fall dandelion	Oxalis	Stinkweed
Bedstraw	False dandelion	Oxeye daisy	Stitchwort
Beggartick	False flax	Parsley-piert	Strawberry clover
Biden	False sunflower	Parsnip	Sumac
Bindweed	Fiddleneck	Pearlwort	Sunflower
Bird vetch	Field bindweed	Pennycress	Sweet clover
Bitterweed	Field pansy	Pennywort	Tall nettle
Bitter wintercress	Flea bane	Peppergrass	Tall vervain
Black-eyed Susan	(daisy)	Pepperweed	Tansy mustard
Black medic	Flixweed	Pigweed	Tansy ragwort
Black mustard	Florida betony	Pineywoods bedstraw	Tanweed
Blackseed plantain	Florida pusley	Plains coreopsis	Tarweed
Blessed thistle	Frenchweed	Plantain	Thistle
Blue lettuce	Galinsoga	Poison hemlock	Tick trefoil
Blue vervain	Garlic mustard	Poison ivy	Toadflax
Box elder	Goathead	Poison oak	Trailing Crownvetch
Bracted plantain	Goatsbeard	Pokeweed	Tumble mustard
Brassbuttons	Goldenrod	Poorjoe	Tumble pigweed
Bristly oxtongue	Ground ivy	Povertyweed	Tumbleweed
Broadleaf dock	Gumweed	Prickly lettuce	Velvet leaf
Broadleaf plantain	Hairy bittercress	Prickly sida	Venice mallow
Broomweed	Hairy fleabane	Primrose	Veronica
Buckhorn	Hawkweed	Prostrate knotweed	Vervain
Buckhorn plantain	Healall	Prostrate pigweed	Vetch
Bulbous buttercup	Heartleaf drymary	Prostrate spurge	Virginia buttonweed
Bull nettle	Hedge bindweed	Prostrate vervain	Virginia creeper
Bull thistle	Hedge mustard	Puncture vine	Virginia pepperweed
Burdock	Hemp	Purslane	Wavyleaf bullthistle
Burning nettle	Henbit	Ragweed	Western clematis
Bur ragweed	Hoary cress	Red clover	Western saisify
Burweed	Hoary plantain	Redroot pigweed	White clover
Buttercup	Hoary vervain	Red sorrel	White mustard
Canada thistle	Honeysuckle	Redstem filaree	Wild aster
Carolina geranium	Hop clover	Rough cinquefoil	Wild buckwheat
Carpetweed	Horsenettle	Rough fleabane	Wild carrot
Catchweed bedstraw	Horsetail	Roundleafed marigold	Wild four-o'clock
Catsear	Indiana mallow	Rush	Wild garlic
Catnip	Ironweed	Russian pigweed	Wild geranium
Chickweed	Jewelweed	Russian thistle	Wild lettuce
Chicory	Jimsonweed	St. Johnswort	Wild marigold
Cinquefoil	Kochia	Scarlet pimpernel	Wild mustard
Clover	Knawel	Scotch thistle	Wild onion
Cockle	Knotweed	Sheep sorrel	Wild parsnip
Cocklebur	Lambsquarter	Shepherdspurse	Wild radish
Coffeebean	Lespedeza	Slender plantain	Wild rape
Coffeeweed	Locoweed	Smallflower galinsoga	Wild strawberry
Common chickweed	Lupine	Smartweed	Wild sweet potato
Common mullein	Mallow	Smooth dock	Wild vetch
Common sowthistle	Marshelder	Smooth pigweed	Willow
Corn Chamomile	Matchweed	Sneezeweed	Witchweed
Creeping jenny	Mexicanweed	Southern wild rose	Wooly morningglory
Crimson clover	Milk vetch	Sowthistle	Woodsorrel
Croton	Milkweed bloodflower	Spanishneedle	Wooly croton
Cudweed	Morningglory	Spatardock	Wooly plantain
Curly dock	Mousear chickweed	Speedwell	Wormseed
Curly indigo	Mugwort	Spiny Amaranth	Yarrow
Dandelion	Musk thistle	Spiny cocklebur	Yellow rocket
Dead nettle	Mustard	Spotted catsear	Yellowflower pepperweed
Dock	Narrowleaf plantain	Spotted knapweed	and other broadleaf weeds.

13
15

Residential

WHEN TO APPLY: Best results are obtained when weeds are growing actively in Spring or early Fall. Avoid contact with desirable shrubs, plants, vegetables, or flowers; especially when applying with a rotary (spinner) type spreader. Do not reseed for at least 3 to 4 weeks after application. Do not apply to newly seeded or sodded lawn until after 3 mowings. For optimum results (1) Avoid mowing 1 to 2 days before and after application; (2) Apply when grass is moist (after a rain, sprinkling or dew); (3) Avoid unnecessary disturbances, including watering of treated areas for 48 hours after application. Watering will wash off weed killing material; and (4) Avoid applying if rainfall is expected within 48 hours following treatment. Possible retreatment in approximately 30 days may be necessary if lawn is heavily overrun with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth. Do not exceed recommended rates because damage to turf may occur.

NOTE: When applying to Southern Grasses - under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration on Centipede and St. Augustine grasses. It is recommended that during hot, dry conditions, application rates should be reduced 50% to avoid possible dehydration or browning of grass.

HOW TO APPLY: This 16 pound bag should be used on 5,000 square feet. Apply evenly with a lawn spreader as a one pass application. A two pass application, criss-crossing the area at half the rate each time is also acceptable.

The following settings are approximate for applying contents of this package at a suggested rate of 3.2 pounds per 1,000 square feet. These settings are furnished only as a guide. Age, spreader condition, operating speed, and unevenness of terrain can cause variation in applied rates. Settings are based on an average walking speed. Reduce setting for slower speed; raise setting for higher speed. Check your spreader on 250 square feet and adjust to apply at the rate of 0.8 pounds per 250 square feet.

**SPREADER SETTINGS
ONE PASS APPLICATION**

<u>MAKE</u>	<u>SETTING</u>
Central Calibrated	5
Cyclone Broadcast	3-3/4
Jackson	5
Sears Broadcast	3
Sears	5
Scotts Calibrated	4

Sweep (do not wash) all fertilizer materials from surfaces immediately after application, because certain fertilizer ingredients can cause permanent stains. Wash out spreader after each use and allow it to dry thoroughly. Treat any exposed metal spreader areas with oil to reduce corrosion.

(The following paragraph is mandatory in Kentucky when the nitrogen analysis does not provide 1 pound nitrogen/1,000 square feet; otherwise, this information is optional.)

A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing *(No. of lbs.) pounds of nitrogen per 1,000 square feet (optional P2O5 and K2O levels) and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.

*Based on Inert fertilizer claimed.

Limitations: The maximum rate per application is 3.2 pounds per 1,000 square feet, limited to 2 applications per year. The maximum seasonal rate is 6.4 pounds per 1,000 square feet, excluding spot treatments. Minimum of 30 days between applications.

Besides increasing property values, did you know a well-maintained lawn provides the following benefits to your home and environment:

Environmental Benefits

(Grass cycling Logo)

Grass clippings and yard waste are approximately 20% of the volume in our nation's landfills. To do your part to reduce this amount, leave grass clippings on your lawn. Increased mowing height and frequency will produce smaller grass clippings that will decompose more readily so nutrients go back into your lawn.

- ✓ A 50' x 50' lawn produces enough oxygen for a family of 4 every day
- ✓ Reduces Glare & Reduces Noise
- ✓ Traps Dust, Smoke Particles & Other Pollutants
- ✓ Purifies Water & Modifies Temperature
- ✓ Improves Soil Condition & Controls Erosion

14
15

Residential

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Store in a cool, dry place. Keep container closed and away from food, feedstuffs, and domestic water supplies.
CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.



WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV092509N)

Viper is a trademark of Nufarm Americas Inc.
The Optical Advantage is a registered trademark of Nufarm Americas Inc.

OPTIONAL LANGUAGE:

Contains Natural Non-Burning, Organic Slow-Release Nitrogen and Iron for Deep Greening Controls Over 200 Broadleaf Weeds.
Milorganite. For Better Results. Naturally.



15
15

Residential

OPTIONAL SPREADER INSTRUCTIONS:

- (Illustration) For Drop Spreaders: First apply two strips at ends. Then apply product along the length of the lawn, overlapping very slightly and shutting off spreader when turning.
- (Illustration) For Rotary Spreaders: Apply in a circular path, starting on the outside and working toward the center, overlapping very slightly.
Or
- (Illustration) For Broadcast Spreaders: Apply to the border of the lawn then work toward the center, overlapping very slightly.

The following note will not be part of the actual label copy.

***NOTE:** Guaranteed (fertilizer) Analysis and Spreader Settings will vary among various commercial fertilizer manufacturers.
Chlorine declaration is